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a recording head unit supplied with ink for recording an image on a recording object by

forming a jet of the ink, said recording head unit comprising:

a nozzle for ejecting said jet;

a passage of ink provided in communication with said ink nozzle for supplying

said ink to said nozzle;

an energization part provided on said passage for applying energy to said ink in

said passage to form said jet; and

an ink inlet formed in communication with said passage for receiving said ink,

said inlet including therein filter means which is made from stainless

steel mesh for eliminating particles from said ink supplied to said inlet;

and

an ink reservoir unit for holding therein said ink, said ink reservoir supplying

said ink held therein to said inlet of said recording head part, said ink

reservoir accommodating therein a sponge material infiltrated with said

ink;

said recording head unit carrying thereon first connection means as a part of

said recording head unit, for connecting said recording head unit to said

ink reservoir unit;

said ink reservoir unit carrying thereon second connection means corresponding

to said first connection means as a part of said ink reservoir unit, for

connecting said ink reservoir unit to said recording head unit;

said first and second connection means being so formed that said first and

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second connection means establish, when said ink reservoir unit is mounted upon said recording head unit, a detachable engagement with each other in a manner, such that said ink in said reservoir unit flows to said passage in said recording head unit; and

a carriage member constructed so as to be mounted upon an image recording apparatus for carrying thereon said recording head unit and said reservoir unit together detachably in the state that said recording head unit and said reservoir unit are connected with each other detachably such that said reservoir unit connected to said recording head unit is removable therefrom, said carriage member having a positioning part for determining a position of said nozzle of said recording head unit with respect to said carriage member, and wherein said ink reservoir carrying a vent;

said recording head unit having a positioning part for engagement with said positioning part of said carriage member,  
said recording head unit carrying thereon electrode contacts.

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cont.

12 (Amended) A method for recording an image on an object by means of an inkjet recording apparatus, said inkjet recording apparatus including a recording head unit carrying thereon an ink nozzle for forming an inkjet and an ink reservoir for storing ink with a sponge material, said ink reservoir being so constructed as to be mounted upon said recording head unit detachably therefrom and carrying a vent closed by a seal member, said recording head

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